

Guoqiang Mao

List of Publications by Year in descending order

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277
papers

9,571
citations

76294

40
h-index

49868

87
g-index

279
all docs

279
docs citations

279
times ranked

7898
citing authors

#	ARTICLE	IF	CITATIONS
1	Wireless sensor network localization techniques. Computer Networks, 2007, 51, 2529-2553.	3.2	1,525
2	5G Ultra-Dense Cellular Networks. IEEE Wireless Communications, 2016, 23, 72-79.	6.6	881
3	Relay technologies for WiMax and LTE-advanced mobile systems. , 2009, 47, 100-105.		505
4	Direction-of-Arrival Estimation for Coprime Array via Virtual Array Interpolation. IEEE Transactions on Signal Processing, 2018, 66, 5956-5971.	3.2	414
5	New Multi-Hop Clustering Algorithm for Vehicular Ad Hoc Networks. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 1517-1530.	4.7	267
6	Path loss exponent estimation for wireless sensor network localization. Computer Networks, 2007, 51, 2467-2483.	3.2	241
7	Performance Impact of LoS and NLoS Transmissions in Dense Cellular Networks. IEEE Transactions on Wireless Communications, 2016, 15, 2365-2380.	6.1	216
8	Spatial Spectrum and Energy Efficiency of Random Cellular Networks. IEEE Transactions on Communications, 2015, 63, 1019-1030.	4.9	193
9	Energy efficiency of small cell backhaul networks based on Gauss-Markov mobile models. IET Networks, 2015, 4, 158-167.	1.1	191
10	Capacity of Cooperative Vehicular Networks With Infrastructure Support: Multiuser Case. IEEE Transactions on Vehicular Technology, 2018, 67, 1546-1560.	3.9	164
11	Vehicular Communications for 5G Cooperative Small-Cell Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 7882-7894.	3.9	123
12	Analysis of Access and Connectivity Probabilities in Vehicular Relay Networks. IEEE Journal on Selected Areas in Communications, 2011, 29, 140-150.	9.7	121
13	Optimal Base Station Antenna Downtilt in Downlink Cellular Networks. IEEE Transactions on Wireless Communications, 2019, 18, 1779-1791.	6.1	114
14	Multi-Hop Connectivity Probability in Infrastructure-Based Vehicular Networks. IEEE Journal on Selected Areas in Communications, 2012, 30, 740-747.	9.7	107
15	Towards a Better Understanding of Large-Scale Network Models. IEEE/ACM Transactions on Networking, 2012, 20, 408-421.	2.6	103
16	Approximation Algorithms for Charging Reward Maximization in Rechargeable Sensor Networks via a Mobile Charger. IEEE/ACM Transactions on Networking, 2017, 25, 3161-3174.	2.6	100
17	Spectrum and Energy Efficiency Evaluation of Two-Tier Femtocell Networks With Partially Open Channels. IEEE Transactions on Vehicular Technology, 2014, 63, 1306-1319.	3.9	99
18	Bearing-Only Localization using Geometrically Constrained Optimization. IEEE Transactions on Aerospace and Electronic Systems, 2009, 45, 308-320.	2.6	98

#	ARTICLE	IF	CITATIONS
19	Multipath Cooperative Communications Networks for Augmented and Virtual Reality Transmission. IEEE Transactions on Multimedia, 2017, 19, 2345-2358.	5.2	98
20	A Unified Spatio-Temporal Model for Short-Term Traffic Flow Prediction. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 3212-3223.	4.7	89
21	Design of an Extended Kalman Filter for UAV Localization. , 2007, , .		88
22	Efficient Scheduling of Multiple Mobile Chargers for Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 7670-7683.	3.9	87
23	Simulated Annealing based Wireless Sensor Network Localization. Journal of Computers, 2006, 1, .	0.4	80
24	An Online Radio Map Update Scheme for WiFi Fingerprint-Based Localization. IEEE Internet of Things Journal, 2019, 6, 6909-6918.	5.5	78
25	DATS: Dispersive Stable Task Scheduling in Heterogeneous Fog Networks. IEEE Internet of Things Journal, 2019, 6, 3423-3436.	5.5	78
26	Probabilistic Small-Cell Caching: Performance Analysis and Optimization. IEEE Transactions on Vehicular Technology, 2016, , 1-1.	3.9	74
27	< i>Chimera< /i>: An Energy-Efficient and Deadline-Aware Hybrid Edge Computing Framework for Vehicular Crowdsensing Applications. IEEE Internet of Things Journal, 2019, 6, 84-99.	5.5	73
28	A Topological Approach to Secure Message Dissemination in Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 135-148.	4.7	70
29	Analysis of Flip Ambiguities for Robust Sensor Network Localization. IEEE Transactions on Vehicular Technology, 2010, 59, 2057-2070.	3.9	68
30	Will the Area Spectral Efficiency Monotonically Grow as Small Cells Go Dense?. , 2015, , .		67
31	Joint Caching Placement and User Association for Minimizing User Download Delay. IEEE Access, 2016, 4, 8625-8633.	2.6	65
32	Development Trends of Mobile Communication Systems for Railways. IEEE Communications Surveys and Tutorials, 2018, 20, 3131-3141.	24.8	64
33	Task Offloading with Network Function Requirements in a Mobile Edge-Cloud Network. IEEE Transactions on Mobile Computing, 2019, 18, 2672-2685.	3.9	63
34	Simulated annealing based localization in wireless sensor network. , 2005, , .		62
35	Throughput of Infrastructure-Based Cooperative Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 2964-2979.	4.7	56
36	On-Ramp Merging Strategies of Connected and Automated Vehicles Considering Communication Delay. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 15298-15312.	4.7	56

#	ARTICLE	IF	CITATIONS
37	Simulated Annealing based Wireless Sensor Network Localization with Flip Ambiguity Mitigation. , 0, , .		55
38	On the Information Propagation Process in Mobile Vehicular Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2011, 60, 2314-2325.	3.9	55
39	Formal Theory of Noisy Sensor Network Localization. SIAM Journal on Discrete Mathematics, 2010, 24, 684-698.	0.4	53
40	Socially Aware Caching Strategy in Device-to-Device Communication Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 4615-4629.	3.9	51
41	Stochastic Characterization of Information Propagation Process in Vehicular Ad hoc Networks. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 122-135.	4.7	48
42	Dense Small Cell Networks: From Noise-Limited to Dense Interference-Limited. IEEE Transactions on Vehicular Technology, 2018, 67, 4262-4277.	3.9	48
43	Robust Localization Using Range Measurements With Unknown and Bounded Errors. IEEE Transactions on Wireless Communications, 2017, 16, 4065-4078.	6.1	44
44	Congestion Propagation Based Bottleneck Identification in Urban Road Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 4827-4841.	3.9	44
45	Energy-Efficient Video Multicast in 4G Wireless Systems. IEEE Transactions on Mobile Computing, 2012, 11, 1508-1522.	3.9	43
46	Compressive Sensing Based Channel Estimation for Millimeter-Wave Full-Dimensional MIMO With Lens-Array. IEEE Transactions on Vehicular Technology, 2020, 69, 2337-2342.	3.9	42
47	On the Probability of K-hop Connection in Wireless Sensor Networks. IEEE Communications Letters, 2007, 11, 662-664.	2.5	40
48	Cooperative Content Dissemination and Offloading in Heterogeneous Mobile Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 6573-6587.	3.9	40
49	Uplink Performance Analysis of Dense Cellular Networks With LoS and NLoS Transmissions. IEEE Transactions on Wireless Communications, 2017, 16, 2601-2613.	6.1	39
50	Infrastructure-cooperative algorithm for effective intersection collision avoidance. Transportation Research Part C: Emerging Technologies, 2018, 89, 188-204.	3.9	39
51	Uncoordinated Cooperative Communications with Spatially Random Relays. IEEE Transactions on Wireless Communications, 2012, 11, 3126-3135.	6.1	38
52	Latency and Reliability of mmWave Multi-Hop V2V Communications Under Relay Selections. IEEE Transactions on Vehicular Technology, 2020, 69, 9807-9821.	3.9	38
53	Geographic Routing in Multilevel Scenarios of Vehicular Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 7740-7753.	3.9	37
54	User Association With Unequal User Priorities in Heterogeneous Cellular Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 7374-7388.	3.9	37

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55	Performance Impact of Idle Mode Capability on Dense Small Cell Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 10446-10460.	3.9	37
56	Principal Component Analysis-Based Broadband Hybrid Precoding for Millimeter-Wave Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2020, 19, 6331-6346.	6.1	37
57	On the Giant Component of Wireless Multihop Networks in the Presence of Shadowing. IEEE Transactions on Vehicular Technology, 2009, 58, 5152-5163.	3.9	35
58	Cooperative Spectrum Sharing Between Cellular and Ad-Hoc Networks. IEEE Transactions on Wireless Communications, 2014, 13, 4025-4037.	6.1	35
59	Loss performance analysis for heterogeneous on-off sources with application to connection admission control. IEEE/ACM Transactions on Networking, 2002, 10, 125-138.	2.6	33
60	Connectivity of Large Wireless Networks Under A General Connection Model. IEEE Transactions on Information Theory, 2013, 59, 1761-1772.	1.5	33
61	Pedestrian Flow Estimation Through Passive WiFi Sensing. IEEE Transactions on Mobile Computing, 2021, 20, 1529-1542.	3.9	33
62	Saturated throughput analysis of IEEE 802.11e EDCA. Computer Networks, 2007, 51, 3047-3068.	3.2	31
63	Towards Perpetual Sensor Networks via Deploying Multiple Mobile Wireless Chargers. , 2014, , .		31
64	Distributed Source Localization of Multi-Agent Systems With Bearing Angle Measurements. IEEE Transactions on Automatic Control, 2016, 61, 1105-1110.	3.6	31
65	A Game Theoretic Scheme for Collaborative Vehicular Task Offloading in 5G HetNets. IEEE Transactions on Vehicular Technology, 2020, 69, 16044-16056.	3.9	30
66	Robust Localization Using Time Difference of Arrivals. IEEE Signal Processing Letters, 2016, 23, 1320-1324.	2.1	29
67	Optimal Strategies for Cooperative MAC-Layer Retransmission in Wireless Networks. , 2008, , .		28
68	On the Energy-Efficient Deployment for Ultra-Dense Heterogeneous Networks With NLoS and LoS Transmissions. IEEE Transactions on Green Communications and Networking, 2018, 2, 369-384.	3.5	28
69	5G Ultradense Networks With Nonuniform Distributed Users. IEEE Transactions on Vehicular Technology, 2018, 67, 2660-2670.	3.9	27
70	Joint Time-of-Arrival Estimation for Coherent UWB Ranging in Multipath Environment With Multi-User Interference. IEEE Transactions on Signal Processing, 2019, 67, 3743-3755.	3.2	27
71	Spatio-temporal Modeling for Massive and Sporadic Access. IEEE Journal on Selected Areas in Communications, 2021, 39, 638-651.	9.7	27
72	Graph Theoretic Models and Tools for the Analysis of Dynamic Wireless Multihop Networks. , 2009, , .		26

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73	Study on the Idle Mode Capability with LoS and NLoS Transmissions. , 2016, , .		26
74	Unbalanced Expander Based Compressive Data Gathering in Clustered Wireless Sensor Networks. IEEE Access, 2017, 5, 7553-7566.	2.6	26
75	Small-Cell Networks With Fractal Coverage Characteristics. IEEE Transactions on Communications, 2018, 66, 5457-5469.	4.9	26
76	Vehicle-Mounted Base Station for Connected and Autonomous Vehicles: Opportunities and Challenges. IEEE Wireless Communications, 2019, 26, 30-36.	6.6	26
77	Robust Distributed Sensor Network Localization Based on Analysis of Flip Ambiguities. , 2008, , .		25
78	MagMonitor: Vehicle Speed Estimation and Vehicle Classification Through A Magnetic Sensor. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 1311-1322.	4.7	23
79	Analysis of Flip Ambiguities in Distributed Network Localization. , 2007, , .		22
80	Interference Minimization in 5G Heterogeneous Networks. Mobile Networks and Applications, 2015, 20, 756-762.	2.2	22
81	A Theoretical Analysis on Sampling Size in WiFi Fingerprint-Based Localization. IEEE Transactions on Vehicular Technology, 2021, 70, 3599-3608.	3.9	22
82	Evaluation of the Probability of K-Hop Connection in Homogeneous Wireless Sensor Networks. , 2007, , .		21
83	Network Coding Based Wireless Broadcast With Performance Guarantee. IEEE Transactions on Wireless Communications, 2015, 14, 532-544.	6.1	21
84	Delay Performance of Network-Coding-Based Epidemic Routing. IEEE Transactions on Vehicular Technology, 2016, 65, 3676-3684.	3.9	21
85	Cost Efficiency Optimization of 5G Wireless Backhaul Networks. IEEE Transactions on Mobile Computing, 2019, 18, 2796-2810.	3.9	21
86	Achieving Bi-Channel-Connectivity with Topology Control in Cognitive Radio Networks. IEEE Journal on Selected Areas in Communications, 2014, 32, 2163-2176.	9.7	20
87	Performance Analysis of Dense Small Cell Networks With Dynamic TDD. IEEE Transactions on Vehicular Technology, 2018, 67, 9816-9830.	3.9	20
88	Secure Communications Using OFDM with Chaotic Modulation in the Subcarriers. , 0, , .		19
89	WSN06-4: Online Calibration of Path Loss Exponent in Wireless Sensor Networks. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	19
90	On the Hop Count Statistics in Wireless Multihop Networks Subject to Fading. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 1275-1287.	4.0	19

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91	MLE-based localization and performance analysis in probabilistic LOS/NLOS environment. <i>Neurocomputing</i> , 2017, 270, 101-109.	3.5	19
92	Probability of k-Hop Connection under Random Connection Model. <i>IEEE Communications Letters</i> , 2010, 14, 1023-1025.	2.5	18
93	Towards a Simple Relationship to Estimate the Capacity of Static and Mobile Wireless Networks. <i>IEEE Transactions on Wireless Communications</i> , 2013, 12, 3883-3895.	6.1	18
94	Connectivity of Communication Networks. , 2017, , .		18
95	On the Performance of Full-Duplex Multi-Relay Channels With DF Relays. <i>IEEE Transactions on Vehicular Technology</i> , 2017, 66, 9550-9554.	3.9	18
96	Use of flip ambiguity probabilities in robust sensor network localization. <i>Wireless Networks</i> , 2011, 17, 1157-1171.	2.0	17
97	Connectivity of Large-Scale CSMA Networks. <i>IEEE Transactions on Wireless Communications</i> , 2012, 11, 2266-2275.	6.1	17
98	Uncoordinated Cooperative Communications in Highly Dynamic Wireless Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2012, 30, 280-288.	9.7	17
99	Real time variable bit rate video traffic prediction. <i>International Journal of Communication Systems</i> , 2007, 20, 491-505.	1.6	16
100	Critical Density for Connectivity in 2D and 3D Wireless Multi-Hop Networks. <i>IEEE Transactions on Wireless Communications</i> , 2013, 12, 1512-1523.	6.1	16
101	Performance Analysis of Distributed Raptor Codes in Wireless Sensor Networks. <i>IEEE Transactions on Communications</i> , 2013, 61, 4357-4368.	4.9	16
102	Artificial-Intelligence-Driven Fog Radio Access Networks: Recent Advances and Future Trends. <i>IEEE Wireless Communications</i> , 2020, 27, 12-13.	6.6	16
103	Introduction to Wireless Sensor Network Localization. , 2009, , 1-32.		16
104	Real-Time Network Traffic Prediction Based on a Multiscale Decomposition. <i>Lecture Notes in Computer Science</i> , 2005, , 492-499.	1.0	15
105	Performance Analysis of Raptor Codes Under Maximum Likelihood Decoding. <i>IEEE Transactions on Communications</i> , 2016, 64, 906-917.	4.9	15
106	A New Small-World IoT Routing Mechanism Based on Cayley Graphs. <i>IEEE Internet of Things Journal</i> , 2019, 6, 10384-10395.	5.5	15
107	Towards Enhanced Recovery and System Stability: Analytical Solutions for Dynamic Incident Effects in Road Networks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 483-498.	4.7	15
108	Connectivity-Based Distance Estimation in Wireless Sensor Networks. , 2010, , .		14

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109	On the asymptotic connectivity of random networks under the random connection model. , 2011, , .		14
110	On the Properties of One-Dimensional Infrastructure-Based Wireless Multi-Hop Networks. IEEE Transactions on Wireless Communications, 2012, 11, 2606-2615.	6.1	14
111	Estimating distances via connectivity in wireless sensor networks. Wireless Communications and Mobile Computing, 2014, 14, 541-556.	0.8	14
112	Missing Data Estimation for Traffic Volume by Searching an Optimum Closed Cut in Urban Networks. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 75-86.	4.7	14
113	Theory and techniques for "intelligible" wireless networks. Frontiers of Information Technology and Electronic Engineering, 2022, 23, 1-4.	1.5	14
114	On the Phase Transition Width of K-Connectivity in Wireless Multihop Networks. IEEE Transactions on Mobile Computing, 2009, 8, 936-949.	3.9	13
115	On the connectivity of wireless multi-hop networks with arbitrary wireless channel models. IEEE Communications Letters, 2009, 13, 181-183.	2.5	13
116	Capacity of Large Wireless Networks with Generally Distributed Nodes. IEEE Transactions on Wireless Communications, 2014, 13, 1678-1691.	6.1	13
117	STARIMA-based traffic prediction with time-varying lags. , 2016, , .		13
118	5G green mobile communication networks. China Communications, 2017, 14, 183-184.	2.0	13
119	Estimation of Link Travel Time Distribution With Limited Traffic Detectors. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 3730-3743.	4.7	13
120	Performance Analysis of IEEE 802.11 DCF with Data Rate Switching. IEEE Communications Letters, 2007, 11, 759-761.	2.5	12
121	On the information propagation process in multi-lane vehicular ad-hoc networks. , 2012, , .		12
122	Performance analysis of Poisson-Voronoi tessellated random cellular networks using Markov chains. , 2014, , .		12
123	Prediction Algorithms for Real-Time Variable-Bit-Rate Video. , 0, , .		11
124	Analysis of Access and Connectivity Probabilities in Infrastructure-Based Vehicular Relay Networks. , 2010, , .		11
125	Research on wireless multi-hop networks: Current state and challenges. , 2012, , .		11
126	A New Measure of Wireless Network Connectivity. IEEE Transactions on Mobile Computing, 2015, 14, 1765-1779.	3.9	11

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127	On the achievable throughput of cooperative vehicular networks. , 2016, , .		11
128	Performance Analysis of the Idle Mode Capability in a Dense Heterogeneous Cellular Network. IEEE Transactions on Communications, 2018, 66, 3959-3973.	4.9	11
129	Ultra-Dense Networks: Is There a Limit to Spatial Spectrum Reuse?. , 2018, , .		11
130	The Internet of Things for Smart Roads: A Road Map From Present to Future Road Infrastructure. IEEE Intelligent Transportation Systems Magazine, 2022, 14, 66-76.	2.6	11
131	Evolution of road traffic congestion control: A survey from perspective of sensing, communication, and computation. China Communications, 2021, 18, 151-177.	2.0	11
132	On the Effective Energy Consumption in Wireless Sensor Networks. , 2010, , .		10
133	Road traffic density estimation in vehicular networks. , 2013, , .		10
134	Localization algorithm design and performance analysis in probabilistic LOS/NLOS environment. , 2016, , .		10
135	On the security of warning message dissemination in vehicular Ad hoc networks. Journal of Communications and Information Networks, 2017, 2, 46-58.	3.5	10
136	Interference Management in In-Band D2D Underlaid Cellular Networks. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 873-885.	4.9	10
137	Effect of Spatial and Temporal Traffic Statistics on the Performance of Wireless Networks. IEEE Transactions on Communications, 2020, 68, 7083-7097.	4.9	10
138	A real-time loss performance monitoring scheme. Computer Communications, 2005, 28, 150-161.	3.1	9
139	On the Information Propagation Speed in Mobile Vehicular Ad Hoc Networks. , 2010, , .		9
140	A Space-Time Analysis of LTE and Wi-Fi Inter-Working. IEEE Journal on Selected Areas in Communications, 2016, 34, 2981-2998.	9.7	9
141	DHCLoc: A Device-Heterogeneity-Tolerant and Channel-Adaptive Passive WiFi Localization Method Based on DNN. IEEE Internet of Things Journal, 2022, 9, 4863-4874.	5.5	9
142	A Timescale Decomposition Approach to Network Traffic Prediction. IEICE Transactions on Communications, 2005, E88-B, 3974-3981.	0.4	9
143	Collinearity problems in passive target localization using direction finding sensors. , 2009, , .		8
144	Mobile converged networks: framework, optimization, and challenges. IEEE Wireless Communications, 2014, 21, 34-40.	6.6	8

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145	Energy-Efficient Broadcast in Mobile Networks Subject to Channel Randomness. IEEE Transactions on Wireless Communications, 2015, 14, 2929-2941.	6.1	8
146	Microscopic Analysis of the Uplink Interference in FDMA Small Cell Networks. IEEE Transactions on Wireless Communications, 2016, 15, 4277-4291.	6.1	8
147	Urban Traffic Bottleneck Identification Based on Congestion Propagation. , 2018, , .		8
148	Saturated throughput analysis of IEEE 802.11e using two-dimensional Markov chain model. , 2006, , .		7
149	On the Properties of Giant Component in Wireless Multi-Hop Networks. , 2009, , .		7
150	On cooperative communication in ad-hoc networks: The case for uncoordinated location-aware retransmission strategies. , 2009, , .		7
151	On the Information Propagation in Mobile Ad-Hoc Networks Using Epidemic Routing. , 2011, , .		7
152	Analysis of the Uplink Maximum Achievable Rate With Location-Dependent Intercell Signal Interference Factors Based on Linear Wyner Model. IEEE Transactions on Vehicular Technology, 2013, 62, 4615-4628.	3.9	7
153	A new cell association scheme in heterogeneous networks. , 2015, , .		7
154	Socially Aware Distributed Caching in Device-to-Device Communication Networks. , 2016, , .		7
155	Uplink performance analysis of dense cellular networks with LoS and NLoS transmissions. , 2016, , .		7
156	Statistical Analysis of Path Losses for Sectorized Wireless Networks. IEEE Transactions on Communications, 2017, 65, 1828-1838.	4.9	7
157	Performance analysis of dense small cell networks with generalized fading. , 2017, , .		7
158	What Is the True Value of Dynamic TDD: A MAC Layer Perspective. , 2017, , .		7
159	DNA-GA: A Tractable Approach for Performance Analysis of Uplink Cellular Networks. IEEE Transactions on Communications, 2018, 66, 355-369.	4.9	7
160	Analysis of Underlaid D2D-Enhanced Cellular Networks: Interference Management and Proportional Fair Scheduler. IEEE Access, 2019, 7, 35755-35768.	2.6	7
161	Engineering A Large-Scale Traffic Signal Control: A Multi-Agent Reinforcement Learning Approach. , 2021, , .		7
162	On information dissemination in infrastructure-based mobile ad-hoc networks. , 2012, , .		6

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163	A Unified STARIMA based Model for Short-term Traffic Flow Prediction. , 2018, , .		6
164	Network Capacity Maximization Using Route Choice and Signal Control With Multiple OD Pairs. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 1595-1611.	4.7	6
165	Guest Editorial 5G Wireless Communications With High Mobility. IEEE Journal on Selected Areas in Communications, 2020, 38, 2717-2722.	9.7	6
166	Energy Efficiency of Cooperative Base Station Sleep Scheduling for Vehicular Networks. , 2014, , .		5
167	Optimal microcell deployment for effective mobile device energy saving in heterogeneous networks. , 2014, , .		5
168	An efficient network coding based broadcast scheme with reliability guarantee. , 2014, , .		5
169	Cooperative information forwarding in vehicular networks subject to channel randomness. , 2014, , .		5
170	Uncoordinated Cooperative Forwarding in Vehicular Networks with Random Transmission Range. , 2015, , .		5
171	Network Code Division Multiplexing for Wireless Relay Networks. IEEE Transactions on Wireless Communications, 2015, 14, 5736-5749.	6.1	5
172	Ultra-Dense Networks: A New Look at the Proportional Fair Scheduler. , 2017, , .		5
173	Applying Distributed Constraint Optimization Approach to the User Association Problem in Heterogeneous Networks. IEEE Transactions on Cybernetics, 2018, 48, 1696-1707.	6.2	5
174	Performance analysis of uplink massive MIMO networks with a finite user density. , 2018, , .		5
175	MagSpeed: A Novel Method of Vehicle Speed Estimation Through A Single Magnetic Sensor. , 2019, , .		5
176	Ultra-Dense Networks: A Holistic Analysis of Multi-Piece Path Loss, Antenna Heights, Finite Users and BS Idle Modes. IEEE Transactions on Mobile Computing, 2021, 20, 1702-1713.	3.9	5
177	Wireless Multi-hop Networks: Current Research and Future Challenges. Journal of Communications, 2012, 7, .	1.3	5
178	A cell loss upper bound for heterogeneous ON"OFF sources with application to connection admission control. Computer Communications, 2002, 25, 1172-1184.	3.1	4
179	Online End-to-End Quality of Service Monitoring for Service Level Agreement Verification. , 2006, , .		4
180	Phase Transition Width of Connectivity of Wireless Multi-Hop Networks in Shadowing Environment. , 2009, , .		4

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181	On the Giant Component in Wireless Multi-Hop Networks. , 2009, , .		4
182	Analysis of k-Hop Connectivity Probability in 2-D Wireless Networks with Infrastructure Support. , 2010, , .		4
183	On the k-hop partial connectivity in finite wireless multi-hop networks. , 2011, , .		4
184	On the quality of wireless network connectivity. , 2012, , .		4
185	Connectivity of wireless information-theoretic secure networks. , 2014, , .		4
186	Bearing angle based cooperative source localization. , 2014, , .		4
187	Utility-based resource allocation for interference limited OFDMA cooperative relay networks. Physical Communication, 2016, 20, 74-84.	1.2	4
188	DNA-GA: A new approach of network performance analysis. , 2016, , .		4
189	Coverage analysis of heterogeneous cellular networks in urban areas. , 2016, , .		4
190	Roadside Sensor Based Vehicle Counting Incomplex Traffic Environment. , 2019, , .		4
191	A tight upper bound for heterogeneous on-off sources. , 0, , .		3
192	Distributed strategies for minimum-latency cooperative retransmission in wireless networks. , 2009, , .		3
193	Properties of 1-D Infrastructure-Based Wireless Multi-Hop Networks. , 2010, , .		3
194	The Maximum Throughput of A Wireless Multi-Hop Path. Mobile Networks and Applications, 2011, 16, 46-57.	2.2	3
195	Improving reliability in lossy wireless networks using network coding. , 2013, , .		3
196	Opportunistic broadcast in mobile ad-hoc networks subject to channel randomness. , 2013, , .		3
197	A belief propagation approach for distributed user association in heterogeneous networks. , 2014, , .		3
198	Transport Capacity of Distributed Wireless CSMA Networks. IEEE Transactions on Wireless Communications, 2014, 13, 5635-5647.	6.1	3

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199	Energy-efficient scheduling for buffer-aided relaying with opportunistic spectral access (invited) Tj ETQq1 1 0.784314 rgBT /Q3overlock 10		
200	On the performance of greedy forwarding on Yao and Theta graphs. Journal of Parallel and Distributed Computing, 2018, 117, 87-97.	2.7	3
201	On the Theoretical Analysis of Network-Wide Massive MIMO Performance and Pilot Contamination. IEEE Transactions on Wireless Communications, 2022, 21, 1077-1091.	6.1	3
202	Crowdsourcing-Based Indoor Localization With Knowledge-Aided Fingerprint Transfer. IEEE Sensors Journal, 2022, 22, 4281-4293.	2.4	3
203	Finite timescale range of interest for self-similar traffic measurements, modelling and performance analysis. , 0, , .		2
204	An Analysis of the Coexistence of IEEE 802.11 DCF and IEEE 802.11e EDCA. , 2007, , .		2
205	Online end-to-end quality of service monitoring for service level agreement management. International Journal of Communication Systems, 2008, 21, 383-404.	1.6	2
206	Derivation of Flip Ambiguity Probabilities to Facilitate Robust Sensor Network Localization. , 2009, , .		2
207	Energy Savings Achievable in Connection Preserving Energy Saving Algorithms. , 2009, , .		2
208	Analytical Bounds on the Critical Density for Percolation in Wireless Multi-Hop Networks. , 2011, , .		2
209	Capacity of interference-limited three dimensional CSMA networks. , 2012, , .		2
210	On graphs supporting greedy forwarding for directional wireless networks. , 2012, , .		2
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